Neoprene TW-100

Sales Specification

Description:

An easy processing Neoprene polymer designed for general purpose use. Additives known to contribute to the discoloration or staining of ordinary finishes are not intentionally added to Neoprene TW100. It is Raw polymer stability is excellent. Excessive time and temperature of storage can cause a change in viscosity. The nominal specific gravity at 25/4°C (77/39.2°F) is 1.23.

Form and Color: White to light cream chips

Requirements

Property	Limits	Test Method
1. Contamination	In keeping with good rubber practices	N200.2000
2. Volatile Loss, % After milling 6 min. at 50°C (122°F)	1.3 max.	N200.9500
3. Mooney Viscosity ML, 1'+4' at 100°C (212°F)	82 - 99	N200.5700
4. Vulcanization Properties		N200.2010 (ASTM D 3190-91)
Formulation (mill mix)		
Neoprene	100.0	
Octylated diphenylamine (‘Agerite Stalite’)	1.0	
Magnesia (high activity grade - ‘Maglite D’)	4.0	
Zinc oxide (‘Kadox 911’)	5.0	
75% Active ETU Dispersion (‘END-75’)	0.47	
Mooney Scorch ML, 120°C (248°F) t5 - Minutes to 5 point rise	5.5 min.	N200.7460 (ASTM D 1646-91)
Moving Die Rheometer (MDR) Properties at 160°C (320°F)		N200.7405 (ASTM D 5289-93a)
Scorch Time (ts1), minutes	1.0 - 2.4	
Optimum Cure Time (t'90), minutes	3.0 - 15.0	
Optimum Cure Torque (Mc90), dN.m.	5.0 - 10.0	

Packaging

Static dissipative inclusion bag containing 25kg (55.125 lbs.) net weight.

Contact Denka at the following location:

Denka Performance Elastomer LLC, 560 Highway 44, LaPlace, LA 70068
Telephone: (985) 233-3080, FAX: (985) 359-4781

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, discuss with your Denka Performance Elastomer customer service representative.